

Amendments of the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (CURRENTLY AMENDED) A data carrier comprising:

a data processing unit having a plurality of asynchronously operating logic components; and

at least one contactless interface configured to enable coupling to a read/write apparatus in order to receive electrical energy for operation of the data processing unit; and

a supply voltage generator configured to receive the electrical energy from the contactless interface and to distribute the received electrical energy to the plurality of asynchronous operating logic components, the supply voltage generator configured to distribute different magnitudes of energy to different asynchronous operating logic components to adjust speed of operation of the asynchronous operating logic components,

wherein selected asynchronously operating logic components are activated in response to a request signal in a coordinated manner using the received electrical energy, and wherein the supply voltage generator adjusts the magnitude of the energy required by the data processing unit is adapted to distributed to each asynchronous operating logic component such that operations performed by the plurality of asynchronous operating logic components are completed within required time periods and the combined energy consumed by all the asynchronous operating logic components does not exceed the received electrical energy.

2. (PREVIOUSLY PRESENTED) The data carrier as claimed in Claim 1, wherein the contactless interface and the data processing unit are coupled to one another via an asynchronous transmission/receiving circuit which is included in the data processing unit.

3. (PREVIOUSLY PRESENTED) The data carrier as claimed in Claim 1, wherein individual stages within at least the data processing unit operate in a time interleaved manner.

4. (CURRENTLY AMENDED) The data carrier as claimed in Claim 1, wherein the ~~contactless interface for the electrical energy for the operation~~ supply voltage generator of the data processing unit has the function of an at least substantially ideal current source such that the supply voltage generator automatically adjusts the magnitude of the voltage distributed to each asynchronous operating logic components to control speed of operation.

5. (PREVIOUSLY PRESENTED) The data carrier as claimed in Claim 1, wherein the coordinated manner includes selected asynchronously operating logic components providing a finished message after executing its operation, the finished message operable as a request to another selected asynchronously operating logic component.

6. (PREVIOUSLY PRESENTED) The data carrier as claimed in Claim 1, wherein the coordinated manner includes the propagation of a request message from a first selected asynchronously operating logic component to a second asynchronously operating logic component in a series of operating steps.

7. (PREVIOUSLY PRESENTED) The data carrier as claimed in Claim 1, wherein the data carrier is configured to process selected asynchronously operating logic components within a predetermined time with a predetermined minimum of energy consumption.

8. (NEW) The data carrier of Claim 1, wherein the supply voltage generator adjusts a voltage distributed to each asynchronous operating logic component such that operations performed by the plurality of asynchronous operating logic components are completed within required time periods.

9. (NEW) The data carrier of Claim 8, wherein in the supply voltage generator adjusts the voltage distributed to each asynchronous operating logic component in steps under control of a processor.

10. (NEW) The data carrier of Claim 8, wherein the supply voltage generator comprises a circuit for each of the plurality of asynchronous operating logic components that automatically

adjusts each voltage in response to current consumed by each asynchronous operating logic component.